

9700026

THE UNITED STATES OF AMI

TO ALL TO WHOM THESE; PRESENTS SHAVE COME;

Mestern Plant Breeders

DECCES, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HERBUNTO ANNEXED AND MADE A PART HERBOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS ROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, ONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN ING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY TION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Cuyama'

In Testimon Metros, I have hereunto set my hand and caused the seal of the Hant Inviery Protection Office to be affixed at the City of Washington, D.C. this thirty-first day of Warch, in the year of our Lord two thousand.

managa kan kan managa kan dina managa

tary of Agriculture

Exhibit A.

Origin and Breeding History

Cuyama is a hard red spring wheat originating from a Male Sterile Facilitated Recurrent Selection Population (MSFRSP), designated Sep HRSP-88. Western Plant Breeders made the crosses in Phoenix, Arizona in 1988. The breeding method was a modified bulk. The MSFRSP was formed by crossing Septoria tritici resistant lines (VEE/BH1146 – 5 lines, Cleo/Inia//Anza F4, Tadorna/Inia F8, Nudif TP 250/Inia//Anza F4) to male sterile plants in populations adapted to the southwestern irrigated desserts in 1987. In 1988, selected F2 plants were intercrossed to form Sep HRSP-88. The F1 bulk was grown in Bozeman, Montana the summer of 1988. From the F2 grown at Phoenix, Arizona in 1989, selected heads were bulked and the resulting F3 was grown in Bozeman, Montana the summer of 1989. Individual heads were harvested from this bulk and were grown as head rows at Phoenix in 1990. One plant was selected from a F4 row and was grown as a plot at Bozeman, Montana in 1990. The resulting F5 plot designated PH 990-15 was harvested in bulk and yield tested in Arizona and California in 1991, 1992, 1993, and 1994. Stability and uniformity have been observed for four generations. 32 heads were selected in 1993 and were grown as head rows in Bozeman, Montana in 1993. Eighteen head rows were selected and were grown in head row plots at Yuma, AZ in 1994. Twelve of these head row plots that were uniform and similar in appearance were bulked and was designated Breeders' seed. This seed was used to plant 10 acres of Foundation seed production in Bozeman, Montana in 1994.

A variant that is similar to Cuyama but is 3 to 10 inches taller occurs at a frequency of up to .04%. A second variant that may be found in the cultivar Cuyama is white kernel color, occurring at a frequency of up to .1%

EXHIBIT A

F7

Cuyama has been uniform and stable in agronomic appearance and performance across four generations. Agronomic data to support stability is presented in the tables.

The selection criteria used during the breeding of Cuyama were as follows:

F1 None
 F2 Large spikes, semidwarf growth habit and robust plants
 F3 None, random harvest
 F4 Visual high yield rows, semidwarf growth habit, flowering date, % protein, S.D.S. sedimentation, Test Weight
 F5 None
 F6 Yield, flowering date, % protein, Test weight, S.D.S sedimentation, Lodging

Same as F6 plus leaf rust resistance

Exhibit B

Statement of Distinctness

Cuyama is a day length insensitive, hard red spring wheat with an average height of 91 cm, which is 10 cm taller than Yecora Rojo and 3 cm shorter than Express. Cuyama has yellow-green leaves at boot stage. The flag leaf is erect and twisted at boot stage. The auricles are white with no pubescence. Stems are white and hollow with pubescence on the last rachis internode. The anthers are yellow. The spike is awned, long wide, mid-dense and white with and oblong shape. The awns are white and the spikes are crect at maturity. The glumes are white, long and wide and have square shaped shoulders. The beaks are narrow, acuminate and medium long. Cuyama has long wide, elliptical seed. The brushes are large and medium long. The seed crease is medium width and medium depth. The cheeks are rounded and the germ size is large. Cuyama most resembles Express. Cuyama differs from Express in that it is earlier to anthesis, has square glume shoulders instead of oblique ones, has yellow green leaves at booting instead of blue green and has shorter beaks. The above comparisons along with the objective description show Cuyama to be a distinctive variety of common wheat.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE DIVISION BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY

WHEAT (Triticum spp.)

NAME OF APPLICANT(S)	FOR OFFICIAL USE ONLY
Western Plant Breeders, Inc.	PVPO NUMBER 9700026
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 8111 Timberline Drive	VARIETY NAME
Bozeman, MT 59715	
	CUYAMA
	TEMPORARY OR EXPERIMENTAL
	DESIGNATION
	PH 990-15
PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the vertice a zero in the first box (e.g or) when number is either 99 or less or 9 or less respect on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same to standard may be used to determine plant colors; designate system used: Please answer all questions for your variety; lack of response may delay progress of your variety.	ively. Data for quantitative plant characters should be based rial. Royal Horticultural Society or any recognized color
1. KIND:	
1=Common 2=Durum 3=Club 4=Other (SPI	ECIFY)
2. VERNALIZATION:	
1=Spring 2=Winter 3=Other (SPECIFY)	
3. COLEOPTILE ANTHOCYANIN:	
1=Absent 2=Present	
4. JUVENILE PLANT GROWTH:	
3 1=Prostrate 2=Semi-erect 3=Erect	
5. PLANT COLOR (boot stage):	
1 = Yellow-Green 2 = Green 3 = Blue-Green	
6. FLAG LEAF (boot stage):	
1 = Erect 2 = Recurved 2	1 = Not Twisted 2 = Twisted
7. EAR EMERGENCE:	·
Number of Days Earlier Than Express	*
Number of Days Later Than Yecora Rojo	*
8. ANTHER COLOR: -	
1 = YELLOW 2 = PURPLE	
9. PLANT HEIGHT (from soil to top of head, excluding awns):	
1 0 cm Taller Than Yecora Rojo	*
3 cm Shorter Than Express	. *

10. S				•				
		HOCYANIN	2 D4					
	1	1= Absent	2=Present					
	B. WAX	Y BLOOM						
	2	1=Absent	2=Present					
	C. HAIR	INESS (last in	iternode of rachis)				
	2	1=Absent	2=Present					
	D. INTE	RNODE (SPE	CIFY NUMBER)		_			
	1	1=Hollow	2=Semi-solid	3=Solid				
	E. PEDU	NCLE						
	2	1=Absent	2=Present				4.	
		cm Length						•
11. H	EAD (at Ma	aturity):	nor of the second					
	A. DENS	ITY				•		
	2	1=Lax	2=Middense	3= Dense				
	B. SHAP	E			*.	•	•	
	2	1 = Tapering	2= Strap	3 = Clavate	4 = Other (SP)	ECIFY)		
	C. CURV	ATTIRE						
	1	1 = Erect	2 = Inclined	3 = Recurved		, ,		
	D. AWN	EDNESS						
	4	1 = Awnless	2 = Apically	Awnletted :	3 = Awnletted	4 = Awned		
12. G	LUMES (at	Maturity):						
	A. COLO	R :	. m 2	- 04 (CDE C	OESS D.		•	
	1	1 = White	2 = Tan 3	= Other (SPEC)	(F Y)			
	B. SHOU	LDER			·	•		
	4	1 = Wanting	2 = Oblique	3 = Roundo	ed 4 = Square	5 = Elevated	6 = Apiculate	
	C. BEAK	ζ		•				
	3	1 = Obtuse	2 = Acute	3 =Acuminate				
	D. LENG	TH		, to c ert the second			•	
	3	1 = Short (ca	1.7mm) 2=1	Medium (ca. 8mr	3 = Long (c	ca. 9mm)		
	E. WIDT			•				
	3	1 = Narrow ((ca. 3mm) 2 = 1	Medium (ca. 3.5n	nm) 3 = Wide (6	ca. 4mm)		
13. SI	EED:	· · · · · · · · · · · · · · · · · · ·						
* .	A. SHAP	E 1 = Ovate	2 = Oval	3 = Elliptical				
	3	1 - Ovate	Z-Ovai	3 – Empirear				
	B. CHEE		0-11					
	1	1=Rounded	2=Angular				•	
4 · · · · · · · · · · · · · · · · · · ·	C. BRUS			_ ~		* ** - ~ ** *	2 - Callered	
•	2	1=Short	2=Medium	3=Long	1	1 = Not Collared	2 = Collared	
	D. CREA							
	2		% or less of Kerr		2	1 = Depth 20% or 1		
	لــــا		% or less of Kerr early as Wide as I		tl	2 = Depth 35% or l 3 = Depth 50% or l		
٠.		3 - Wigth No	catty as write as I	ECI IICI		5 Depth 5070 01 1		

					Exhibit C (Hheat) Pag
. SEED: (continue E. COLOR	d)				
	= White 2 = Amber	3 = Red 4	l = Other (SPECIFY)		
F. TEXTUR	E =Hard 2=Soft				
	REACTION (see instruction = Ivory 2 = Fawn		4 = Dark Brown	5 = Black	
14. DISEASE: (0=Not Tested; 1=Suscept PLEASE INDIC		int; 3=Intermediate; CIFIC RACE OR STRAIN		
Stem Rust (P	uccinia graminis f. sp. tritici)		Leaf Rust (Puccinia rec	ondita f. sp. tritici)	^
. 	Puccinia striiformis)	· · · · · · · · · · · · · · · · · · ·	Loose Smut (Ustilago tr		
	renophora tritici-repentis)		Flag Smut (Urocystis ag	горугі)	·
<u> </u>	lenophoma donacis)		Common Bunt (Tilletia	tritici or T. laevis)	
Septoria nodor	rum (Glume Blotch)		Dwarf Bunt (Tilletia con	atroversa)	
Septoria avena	e (Speckled Leaf Disease)		Karnal Bunt (Tilletia ind	dica)	
0 Septoria tritici	(Speckled Leaf Blotch)		Powdery Mildew (Erysig	phe graminis (. sp. tritic	
Scab (Fusariu	т грр.)		"Snow Molds"		
0			0		
"Black Point"	(Kernel Smudge)		Common Root Rot (Fus	sarium, Cochliobolus ai	nd <i>Bipolaris</i> spp.)
Barley Yellow	Dwarf Virus (BYDV)		Rhizoctonia Root Rot (1	Rhizoctonia solani)	
Soilborne Mos	aic Virus (SBMV)	·	Black Chaff (Xanthomo)	nas campestris pv. tran	
Wheat Yellow	(Spindle Streak) Mosaic Vii		Bacterial Leaf Blight (P:	seudomonas syringae p	
[7]	Mosaic Virus (WSMV)	·····	Other (SPECIFY)		
Other (SPECI	FY)		Other (SPECIFY)		
Other (SPECI	FY)	· · · · · · · · · · · · · · · · · · ·	Other (SPECIFY)		
Other (SPECI	FY)		Other (SPECIFY)	A	

15. INSECT:	(0-NL (20)					Exhibit C (Wh	
is. insect:	(0=Not Tested;	1=Susceptible;	2=Resistant;	3=Intermediate;	4=Tolerant)		<u></u>
		PLEASE	SPECIFY BIOT	YPE (where needed)	•	
Hessian I	Fly (Mayetiola destri		Ot	her_(SPECIFY)		•	
0 -							
Stem Saw	vfly (Cephus spp.)		Ot	her (SPECIFY)			
			 ·		P. M. C.		
Cereal Le	eaf Beetle <i>(Oulema 1</i>			her (SPECIFY)			
[0] -		-	<u></u>				
Russian A	Aphid <i>(Diuraphis no</i>			aer (SPECIFY)		<u>.</u>	
<u> </u>			 [
	(Schizaphis gramin			er (SPECIFY)			
0 -	·		· ·				
Aphids	•		Oth	er (SPECIFY)			
<u> </u>							

Table I

Yield in pounds per acre of Cuyama and presently, grown varieties in Western Plant Breeders' trials in California and Arizona.

					Yecora	
Location	1	Year	Cuyama	Brooks	Rojo	Express
Phoenix, A	ΑZ	1991 1992 1993 1994	8192 6293 8482 8147	7923 6689 7680 7525	7744 6032 7356 7036	8128 6003 7765 7362
Phoenix Late,	AZ	1993 1994	7168 6655	7578 6052	7407 5715	6912 6258
ElCentro,	CA	1994	7169	6678	6544	7035
SanJoaqu	in, CA	1992 1993 1994	4611 6860 6825	4195 6040 7057	3770 5640 6651	4147 5800 6767
Davis,	CA	1991	8559	8043	7512	7421
Isleton,	CA	1991 1992	6910 6902	7440 5249	7178 5158	7157 6264
Yuma,	AZ	1993 1994	6622 7083	6622 7168	6263 <u>6957</u>	6042 <u>6758</u>
TOTALS			7099	6769	6464	6694

Table II

Percent protein of Cuyama and presently, grown varieties in Western Plant Breeders' trials in California and Arizona.

_Location	Year	Cuyama	Brooks	Yecora Rojo	Express
Phoenix, AZ	1992	12.4	12.5	12.4	13.4
	1993	13.6	13.3	13.5	14.0
	1994	13.5	13.5	13.1	14.5
Phoenix Phoenix	1993	13.5	12.4	13.2	14.1
Late,AZ	1994	12.6	12.9	13.3	13.6
		•			
Yuma, AZ	1993	13.4	14.4	14.6	14.9
·	1994	14.1	14.7	14.7	15.2
El Centro, CA	1994	13.6	14.1	14.1	14.4
San Joaquin, CA	1993	11.9	12.2	11.9	12.6
•	1994	13.8	13.8	14.0	14.8
Isleton, CA	1992	<u>11.6</u>	<u>11.8</u>	<u>12.1</u>	<u>11.4</u>
	.002	<u> </u>	11.0	1 444 1	<u></u>
TOTALS		13.1	13.2	13.4	13.9

Table III

Plant Height in inches of Cuyama and presently grown varieties in Western Plant Breeders' trials in California and Arizona.

				Yecora	
Location	Year	Cuyama	Brooks	Rojo	Express
Phoenix, AZ	1992	35	35	33	40
	1993	40	39	37	42
	1994	38	34	32	37
-					
Phoenix	1993	39	37	36	44
Late,AZ	1994	33	31	28	33
Late,AZ	1334	55	01	20	30
Yuma, AZ	1993	37	34	30	36
El Centro, CA	1994	35	32	30	36
					
	1000	0.4	00	00	00
San Joaquin, CA	1992	34	32	30	33
	1993	38	34	30	37
	1994	32	30	29	34
Isleton, CA	1992	<u>35</u>	<u>34</u>	<u>34</u>	<u>35</u>
			* ·		
TOTALS	-	36.0	33.8	31.7	37.1

Table IV

Days to anthesis after March 1 of Cuyama and presently grown varieties in Western Plant Breeders' trials in Arizona.

Locatio	on	Year	Cuyama	Brooks	Yecora Rojo	<u>Express</u>
Phoenix,	AZ	1992 1993 1994	30 18 30	30 21 26	27 18 24	33 25 32
Phoenix Late	e,AZ	1993 1994	30 40	29 38	28 37	33 45
Yuma,	AZ	1993	<u>15</u>	<u>14</u>	<u>11</u>	<u>18</u>
TOTALS			27	26	24	31

t - Test comparison of days to anthesis after March 1 of Cuyuma and Express.

t with 5 df 5. 1174 **

^{**} Significant at .01 level

Table V

Test weight in pounds/bushel of Cuyama and presently grown varieties in Western Plant Breeders' trials.

Location	Year	Cuyama	Brooks	Yecora Rojo	Express
•				•	
Phoenix, AZ	1992	61.7	62.7	63.0	61.7
	1993	62.9	64.6	64.7	63.9
	1994	62.1	62.1	61.9	62.1
Phoenix	1993	60.5	63.1	63.3	63.0
Late,AZ	1994	63.4	63.4	62.4	64.2
Yuma, AZ	1993	63.0	63.4	62.9	62.9
· · · · · · · · · · · · · · · · · · ·	1994	60.9	60.8	61.2	60.9
			00.0	O 1 1	90.0
El Centro, CA	1994	61.9	62.4	62.3	63.7
San Joaquin, CA	1993	61.2	62.1	62.2	62.0
oan ooaquin, oA	1994	61.0	62.2	61.2	62.0
	1004	01.0	02.2	01.2	02.0
Isleton, CA	1992	<u>62.2</u>	<u>63.8</u>	<u>64.3</u>	<u>63.5</u>
•					
TOTALS		61.9	62.8	62.7	62.7
IOIALO		Ų 1.3	02.0	UZ.1	UZ.1

Table VI

S.D.S sedimentation of Cuyama and presently grown varieties in Western Plant Breeders' trials.

Location	Year	Cuyama	Brooks	Yecora Rojo	Express
Phoenix, AZ	1992	69	79	75	77
	1993	98	94	96	101
	1994	81	85	80	87
Phoenix	1993	101	85	89	94
Late,AZ	1994	80	85	83	81
Yuma, AZ	1993	96	106	97	106
	1994	84	87	82	86
El Centro, CA	1994	106	109	113	. 108
San Joaquin, CA	1993	109	108	108	105
	1994	112	113	113	111
Isleton, CA	1992	<u>85</u>	<u>87</u>	95	<u>81</u>
TOTALS		93	94	93	94

Table VII% Lodging of Cuyama and presently grown varieties in Western Plant Breeders' trials.

Location	on	Year	Cuyama	Brooks	Yecora Rojo	Express
Phoenix,	AZ	1992 1994	0 0	0 10	10 30	- 0
Yuma,	AZ	1994	7	40	17	3
Isleton,	CA	1994	17	17	47	3
Davis,	CA	1994	47	67	60	47

Ta ble VIII

Leaf rust resistance of Cuyama and presently grown varieties in Western Plant Breeders' trials.*

_Locati	on	Year	Cuyama	Brooks	Yecora Rojo	Express	Susceptible Check
							DA990-131
Isleton,	CA	1992	0	0	0	0	9.0
		1994	0	0	1.7	0	3.0
San Jouq	uin, CA	1992	2	2.8	5.3	. 0	9.0
Davis,	CA	1993	2	1.0	6.0	0	9.0
		1994	0	0	1.7	Ō	8.0

^{* 0 =} No disease

^{9 =} Killed by the disease

Table IX

Disease resistance of Cuyama and presently grown varieties in University of California Extension Trials.

University of California Extension Trials.					
	<u> </u>	SEPTORIA	•		
Location	Year	Cuyama	Brooks	Yecora Rojo	Express
Butte	1993 1994	4.5 4.5	4.5 8.0	4.5 7.5	1.0 1.0
Sutter	1993 1994	2.5 3.0	2.0 4.5	2.3 5.0	1.0 1.0
UC Davis, CA	1993 1994	5.3 3.0	6.3 5.3	6.5 5.5	1.5 1.0
Delta	1993 1994	4.5 1.0	5.8 1.5	5.3 1.8	1.3 1.0
٠.	<u>L</u> .	EAF RUST			
Location	Year	Cuyama	Brooks	Yecora Rojo	Express
Butte	1993	1.0	1.0	2.3	1.0
Sutter	1993 1994	2.3 1.0	3.0 1.5	4.3 3.0	1.0 1.0

1.3

1.8

2.0

1.3

1.0

2.0

2.5

2.3

1.0

1.8

2.5

1.0

1.0

2.0

1.8

2.8

2.5

4.3

4.8

5.5

UC Davis, CA

Delta

Merced

Kings

Kern

1994

1994

1993

1994

1993

1994

1993 1994 1.0

1.0

1.0

1.0

Table IX continued

STRIPE RUST

Location	Year	Cuyama	Brooks	Yecora Rojo	S Express	usceptible <u>Check</u>
Butte	1994	1.0	1.0	1.0	1.0	4.5
Sutter	1994	1.0	1.5	1.0	1.0	6.0
UC Davis, CA	1994	1.0.	1.3 *	1.0	1.0	6.0
Delta	1994	1.3	1.0	1.0	1.0	3.5
Merced	1994	2.5	1.0	1.3	1.0	4.0
Kings	1993 1994	1.0 1.5	1.3 1.0	1.0 1.0	1.0 1.0	4.0
Kern	1994	1.0	1.0	1.0	1.0	2.5

0% - 3%

area of flag leaf affected

4% - 14%

15% - 29%

30% - 49%

5 = 50% - 69% 6 = 70% - 84% 7 = 85% - 95%

Table X

Milling and baking quality of Cuyama and Yecora Rojo in Western Plant Breeders' trials. *

		Cuyar	na			Yeco	ra Rojo	
	1993 San Joaquir	1993 PH n J	1994 San oaguin	1994 El Centro	1993 San Joaquir	1993 PH	1994 San Joaquin	1994 El Centro
			o or quire	00110	oouquii	•	ooaqaiii	Ochilo
Protein Ash Hardness Flour Yld	11.3 1.6 56.1 68.8	11.7 1.49 74.4 69.5	13.0 1.56 74.4 66.3	13.1 1.6 82.9 68.3	11.3 1.5 56.9 59.8	12.9 1.46 52.0 70.7	1.52 79.9	13.6 1.62 87.5 69.4
Wet Gluten	20.6	27.2	29.2	28.1	21.4	30.1	30.4	28.4
Farinograph	57. 0	00.0	04.0					
Absorp. Arriv. Mix peak	57.0 1.00 1.75	62.3 2.5 10.0	61.8 8.5 20.0	59.7 1.8 7.0	56.3 1.75	62.3 4.5	9.5	60.5 2.0
Mix Tolerance MTI	29.0 45	15.3 40	26.5 30	20.5 30	1.75 30.0 10	9.0 12.5 80	18.5 26.5 10	10.5 25.0 0
•								
Loaf Volume Sp. Volume Texture	825 6.04 U	900 6.32 S	925 6.51 S	925 6.51 S	790 5.64 U	940 6.57 S	880 6.11 S	885 6.23 S
Score	2	4	4	4	1	4	. 3	4

^{*} Quality analysis was performed by the California Wheat Commission Laboratory.

Exhibit E

The variety *Cuyama* for which Plant Variety Protection is hereby sought was developed by Kim C. Shantz, an employee of Western Plant Breeders, Inc. all rights to any invention, discovery, or development made by the employee while employed by Western Plant Breeders, Inc., were assigned to Western Plant Breeders, Inc. with no rights of any kind retained by the employee.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	The following statements are made in 1974 (5 U.S.C. 552a) and the Paperwo	n accordance with the Privacy Act of rk Reduction Act (PRA) of 1995.
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to de certificate is to be issued (7 U.S.C. 2 until certificate is issued (7 U.S.C. 2426	121). Information is held confidential
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
WESTERN Plant Breeders, INC.	PH 990-15	CUYAMA
The second secon	5. TELEPHONE (include area code)	6. FAX (include area code)
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) 8 1) 1 71/16er/ine Drive	(406) 587-1218	(406) 586-8247
-	7. PVPO NUMBER	
Buzeman, MT 59718	9700026	
8. Does the applicant own all rights to the variety? Mark an "X" in approp	riate block. If no, please explain.	YES NO
	/	
•		
9. Is the applicant (individual or company) a U.S. national or U.S. based of	ompany?	YYES NO
If no, give name of country	1	YES NO
If no, give name of country 10. Is the applicant the original owner? YES	NO If no, please answer one of the f	4
	NO If no, please answer one of the f	4
10. Is the applicant the original owner? A YES a. If original rights to variety were owned by individual(s), is (are) the original rights to variety were owned by individual(s).	NO If no, please answer one of the f	4
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Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

- 1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

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